

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP 99/01543

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 B24B37/04 B24B53/007

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 B24B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	EP 0 754 525 A (EBARA CORPORATION) 22 January 1997 (1997-01-22) column 6, line 2 - line 21	1, 2, 4-9
Y	---	3
✓ Y	US 5 421 768 A (FUJIWARA ET AL.) 6 June 1995 (1995-06-06) column 9, line 56 - line 57	3
✓ A	EP 0 816 017 A (EBARA CORPORATION) 7 January 1998 (1998-01-07) abstract	2, 5, 8
✓ A	US 5 716 264 A (KIMURA ET AL.) 10 February 1998 (1998-02-10) abstract	1, 4, 7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&" document member of the same patent family

Date of the actual completion of the international search

7 July 1999

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14/07/1999

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 690 544 A (SAKURAI )</p> <p>✓ 25 November 1997 (1997-11-25)</p> <p>abstract</p> <p>-----</p>	1,4,7

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
✓ EP 0754525 A	22-01-1997	JP 9029635 A US 5857898 A	04-02-1997 12-01-1999
✓ US 5421768 A	06-06-1995	JP 2622069 B JP 7009340 A	18-06-1997 13-01-1995
✓ EP 0816017 A	07-01-1998	JP 10071557 A	17-03-1998
✓ US 5716264 A	10-02-1998	JP 9029619 A	04-02-1997
✓ US 5690544 A	25-11-1997	JP 2647050 B JP 8267354 A	27-08-1997 15-10-1996

